US009547428B2

(12) **United States Patent**
Lengeling et al.

(10) **Patent No.: US 9,547,428 B2**
(45) **Date of Patent: Jan. 17, 2017**

(54) **SYSTEM AND METHOD FOR TOUCHSCREEN KNOB CONTROL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 728 days.

(21) Appl. No.: **13/038,276**

(22) Filed: **Mar. 1, 2011**

(65) **Prior Publication Data**

US 2012/0226977 A1 Sep. 6, 2012

(51) **Int. Cl.**
G06F 3/048 (2013.01)
G06F 3/0484 (2013.01)
G06F 3/0488 (2013.01)

(52) **U.S. Cl.**
CPC ***G06F 3/04847*** (2013.01); ***G06F 3/04883*** (2013.01)

(58) **Field of Classification Search**
CPC G06F 3/033; G06F 3/048
USPC 715/702
See application file for complete search history.

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(57) **ABSTRACT**

Disclosed herein are systems, methods, and non-transitory computer-readable storage media for controlling a user interface. A system configured to practice the method displays a user interface element, such as a knob, on a touch-sensitive display. The system receives input from a user associated with the user interface element via the touch-sensitive display. For example, the user can provide input to the knob via a tap, twist, flick, press-and-hold, drag, slide, or other touch-based input with a single or multiple fingers or other points of contact. The system matches the input to an input category selected from a group of predefined input categories for the user interface element, and updates the user interface element based on the input and based on the input category. The system can also update a value represented by the user interface element, such as a value that affects output or other settings of a software application.

26 Claims, 4 Drawing Sheets